

atggggaaaa	cagtcgttgg	ggccagtagg	atgtttctggc	taatgttttt	cgtgccgctt	60
cttcttgccg	totgccccag	cgagcccgcg	catgccctgg	caccocggatc	gagccgagtt	120
gagctgttta	agcgggcaaag	ctogaagggtg	ccattttgaaa	agggcgggcaa	agtcacocgag	180
cgggttggtcc	actcgttccg	cctccccgcc	cttgttaatg	tggaocggggt	gatgggttgc	240
atcgcggacg	ctcgtctacga	aacatccaat	gacaactccc	tcattgatac	ggtggcgaag	300
tacagcgtgg	acgatgggga	gacgtgggag	acccaaattg	coatcaagaa	cagtcgtgca	360
tcgtctgttt	ctcgtgtggt	ggatcccaca	gtgattgtga	agggcaacaa	gctttacgtc	420
ctgggttgga	gctacaaacag	ttcgaggagc	tactggacgt	cgcatgggtga	tgogagagac	480
tggttatattc	tgcttgocgt	tggtgaggtc	acgaagtcca	ctgcggggcg	caagataact	540
gcgagtatca	aatgggggag	ccccgtgtca	ctgaagggaat	ttttocccgc	ggaaatggaa	600
ggaatgcaca	caaatcaatt	tottggcggt	gcaggtgttg	ccattgtggc	gtccaacggg	660
aatcttgtgt	accctgtgca	ggttacgaac	aaaaagaagc	aagttttttc	caagatcttc	720
tactcggag	acgagggcaa	gacgtggaag	tttgggggag	gtaggagtga	ttttggctgc	780
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cgccggccgtc	tggtgtacga	gtccagtgac	atggggaaatt	cgtgggtgga	ggctgtcggc	900
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aacgtttgggc	aggtatccat	tggtgatgaa	aattccgcct	acagctccgt	cctgtacaag	1140
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ccctcaactc	ccgctgacag	cagtgtcccac	agtacgccct	cagctcccg	tgacaacggg	2160
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gctgacagca	gtgcccacag	tacgccctca	gctcccgggtg	acaacgggtg	ccacagtacg	2640
ccctcagctc	ccgctgacag	cagtgtcccac	agtacgccct	cagctcccg	tgacaacggg	2700
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ggtgacagca	gtgcccacag	tacgccctca	gctcccgtcg	acagcagtg	ccacagtacg	3000
ccctcagctc	ccggtgacaa	cggtgtcccac	agtacgccct	cgactcccg	tgacaacggg	3060
gctaattggt	cggttttgat	tttgcaagat	ggcgtgcat	tttcggcctt	ttcggggcga	3120
gggctctttt	tgtgtgcggg	tgctttgctg	ctgcacgtgt	tcgttatggc	agtttttttc	3180
tga						3183

FIG.1

MGKTVVGASRMFWLMEFFVPLLLALCPSEPAHALAPGSSRVELFK
RQSSKVPFEKGGKVTERVVHSFRPALVNVVDGVMVALADARYETSDNLSLIDTVAKYS
VDDGETWETQIALKNSRASSVRVDEPTIVKGNKLYVLVGSYNSRSYWTSHGDARD
WDILLAVGEVTKSTAGGKITASIKWGSPLKEFFPAEMEGMHTNQFLGGAGVALVAS
NGNLVYPVQVTNKKQVFSKIFYSEDEGKTWKFGEGRSDFGCSEPVALEWEGKLIINT
RVDYRRRLVYESSDMGNSWVEAVGTLRSRVWGPSPKSNQPGSQSSEFTAVTIEGMRVMLF
THEPLNEFKGRWLRDRINLWLTDNQRIYNVGQVSI GDENSAYSSVLYKDDKLYCLHEINS
NEVYSLVFARLVGELRIIKSVLQSWKNWDSHLSSICTPADPAASSSERGCCGPAVTTVG
LVGFLSHSATKTEWEDAYRCVNASTANAERVPNGLKFFAGVGGGALWPVVSQQGONQRYH
FANHAFTLVASVTIHEVPSVASPLLGASLDSSGGKLLGLSYDEKEHQWQPIYGSTFVT
PTGSWEMGKRYHVLTWANKIGSVYIDGEPLGSGQTVVPDGRTPDISHFYVGGYGRS
DMPTISHVTVNNVLLYNRQINAEIIRTLFLSQDLIGTEAHMGSSSSGSAHSTPSTPAD
NGAHSTPSTPADSSAHSTPSTPADSSAHSTPSAPGDNGAHSTPSTPGDSSAHSTPSTP
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TPGDSSAHSTPSTPADNGAHSTPSAPADSNAHSTPSTPGDNGAHSTPSAPADSNAHST
PSTPADSSAHSTPSAPGDNGAHSTPSAPADSSAHSTPSAPGDNGAHSTPSAPADNGAH
STPSAPGDNAHSTPSTPADSSAHSTPSTPADSSAHSTPSAPGDNGAHSTPSAPADSS
AHSTPSIPGDSSAHSTPSAPADSSAHSTPSAPGDNGAHSTPSTPADNGANGTVLLIHD
GAAFSAFSGGGLLLCAGALLLHVFMVAVFF

FIG.2

atgctggcac	ccggatcgag	ccgagttgag	ctgtttaagc	ggcaaagctc	gaaggtgcca
tttgaaaagg	acggcaaagt	caccgagcgg	gttgtccact	cgttccgcct	ccccgccctt
gttaatgtgg	acgggggtgat	ggttgccatc	gcggacgctc	gctacgaaac	atccaatgac
aactccctca	ttgatacggg	ggcgaagtac	agcgtggacg	atggggagac	gtgggagacc
caaattgcca	tcaagaacag	tcgtgcatcg	tctgtttctc	gtgtggtgga	tcccacagtg
attgtgaagg	gcaacaagct	ttacgtcctg	gttggaaagct	acaacagttc	gaggagctac
tggacgtcgc	atgggtgatgc	gagagactgg	gatattctgc	ttgccgttgg	tgaggtcacg
aagtccactg	cgggcggcaa	gataactgcg	agtatcaaat	gggggagccc	cgtgtcactg
aaggaatttt	ttccggcgga	aatggaagga	atgcacacaa	atcaattttct	tggcgggtgca
ggtgttgcca	ttgtggcgtc	caacgggaat	cttgtgtaco	ctgtgcaggt	tacgaacaaa
aagaagcaag	ttttttccaa	gatctttctac	tcggaagacg	agggcaagac	gtggaagttt
gggaagggtta	ggagcgcttt	tggctgctct	gaacctgtgg	cccttgagtg	ggaggggaag
ctcatcataa	acactcgagt	tgactatcgc	cgccgtctgg	tgtacgagtc	cagtgcacatg
gggaattcgt	ggctggaggc	tgtcggcagc	ctctcacgtg	tgtggggccc	ctcaccaaaa
tcgaaccagc	ccggcagtca	gagcagcttc	actgccgtga	ccatcgaggg	aatgcgtgtt
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tccgcctaca	gctccgtcct	gtacaaggat	gataagctgt	actgtttgca	tgagatcaac
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gatccagccg	cttcgtcgtc	agagcgtggt	tgtggtcccg	ctgtcaccac	ggttgggtctt
gttggctttt	tgtcgcacag	tgccacccaa	accgaatggg	aggatgcgta	ccgctgcgtg
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ggagggggcgc	tttggcgggt	gagccagcag	gggcagaatc	aacggtatcg	ctttgcaaac
cacgcgttca	ccgtgggtggc	gtcgggtgacg	attcacgagg	ttccgagcgt	cgcgagtcct
ttgctgggtg	cgagcctgga	ctcttctggt	ggcaaaaaac	tcctgggggt	ctcgtacgac
gagaggcacc	agtggcagcc	aatatacgga	tcaacgccgg	tgacgccgac	cggatcgtgg
gagatgggta	agaggtacca	cgtggttctt	acgatggcga	ataaaattgg	ctccgagtac
attgatggag	aacctctgga	gggttcaggg	cagaccgttg	tgccagacga	gaggacgcct
gacatctccc	acttctacgt	tggcgggtat	aaaaggagtg	atatgccaac	cataagccac
gtgacggtga	ataatgttct	tctttacaac	cgtcagctga	atgccgagga	gatoaggacc
ttgtttcttga	gccaggacct	gattggcacg	gaagcacaca	tggacagcag	cagcgacacg
agtgcctga					

FIG.3

MLAPGSSRVELFKRQSSKVPFEKDGKVTERRVHSTRLPALVNVD
GVMVAIADAR YETSDNDSLIDTVAKYSVDDGETWETQIAIKNSRASSVSRVVDPTIV
KGNKLYVLVGSYNSSRSYWTSHGDARDWDILLAVGEVTKSTAGGKITASIKWGSFVSL
KEFFPAEMEGMHTNQFLGGAGVAIVASNGNLVYPVQVTNKKKQVFSKIFYSEDEGKTW
KFGKGRSAFGCSEFPVALEWEGKLIINTRVDYRRRLVYESSDMGNSWLEAVGTLSRVWG
PSPKSNQPGSQSSFTAVTIEGMRVMLFTHPLNFKGRWLDRNLNLTNDQRIYNVGQV
SIGDENSAYSSVLYKDDKLYCLHEINSNEVYSLVFARLVGELRIIKSVLQSWKNWDSH
LSSICTPADPAASSSERGCCPAVTTVGLVGFLSHSATKTEWEDAYRCVNASTANAERV
PNGLKFAVGGGALWFPVSQQGQONQRYREANHAFTVVASVTIHEVPSVASPLLGA SLDS
SGGKLLGLSYDERHQWQPIYGSTPPTPGSWEMGKRYHVVLTMANKIGSEYIDGEP L
EGSGQTVVPDERTPDISHFYVGGYKRSDMPTISHVTNNVLLYNRQLNAEEIRTLFLS
ODLIGTEAHMDSSSDTSA

FIG.4

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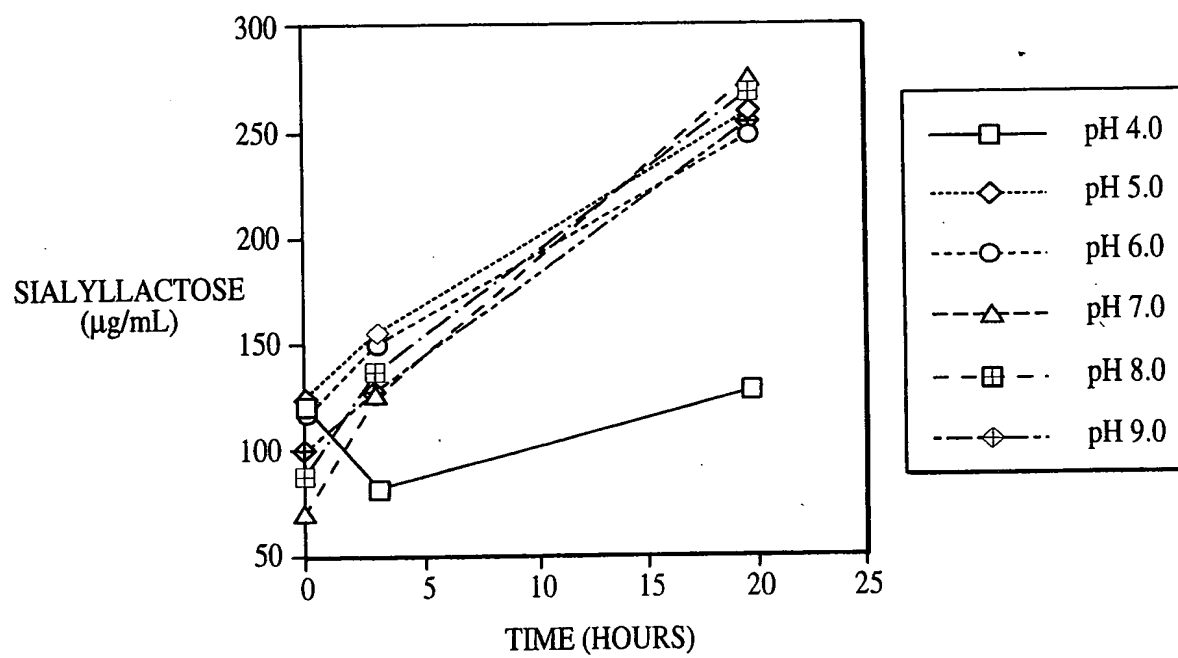


FIG.5

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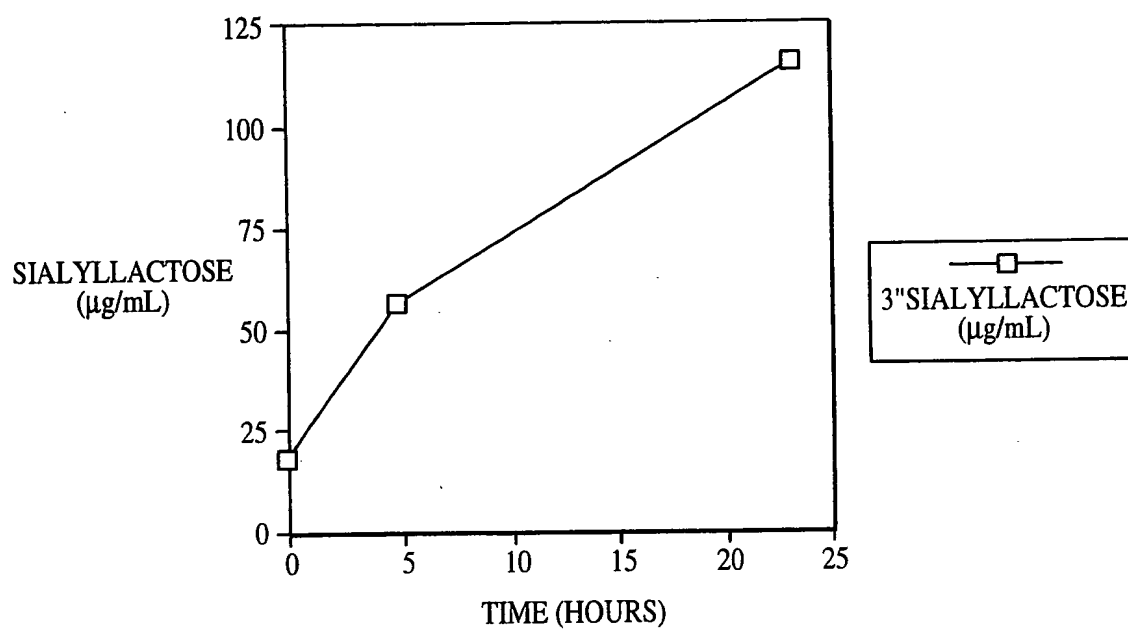


FIG.6

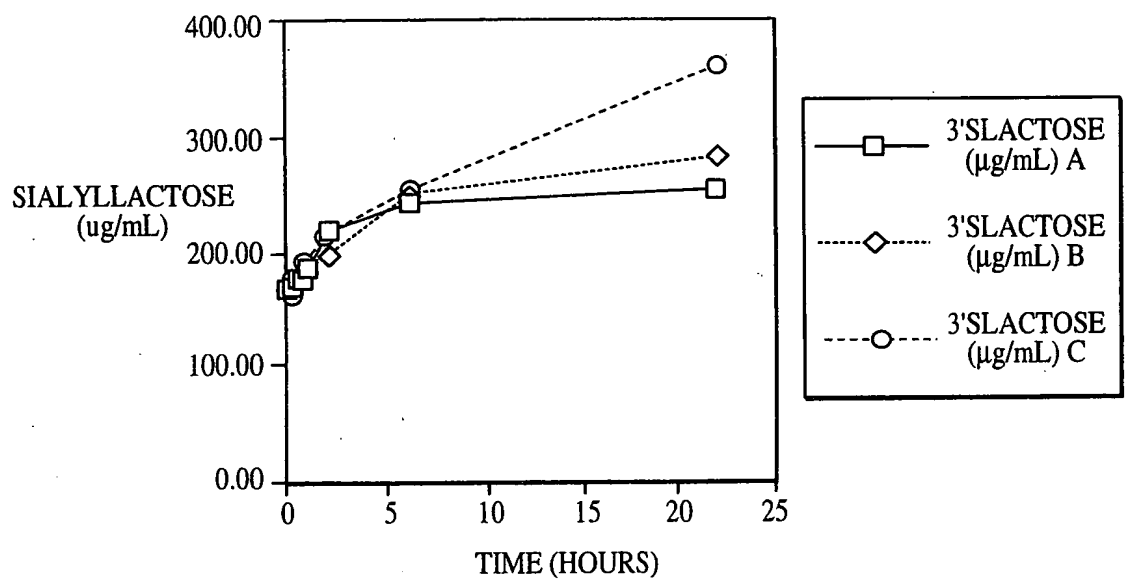


FIG.7A

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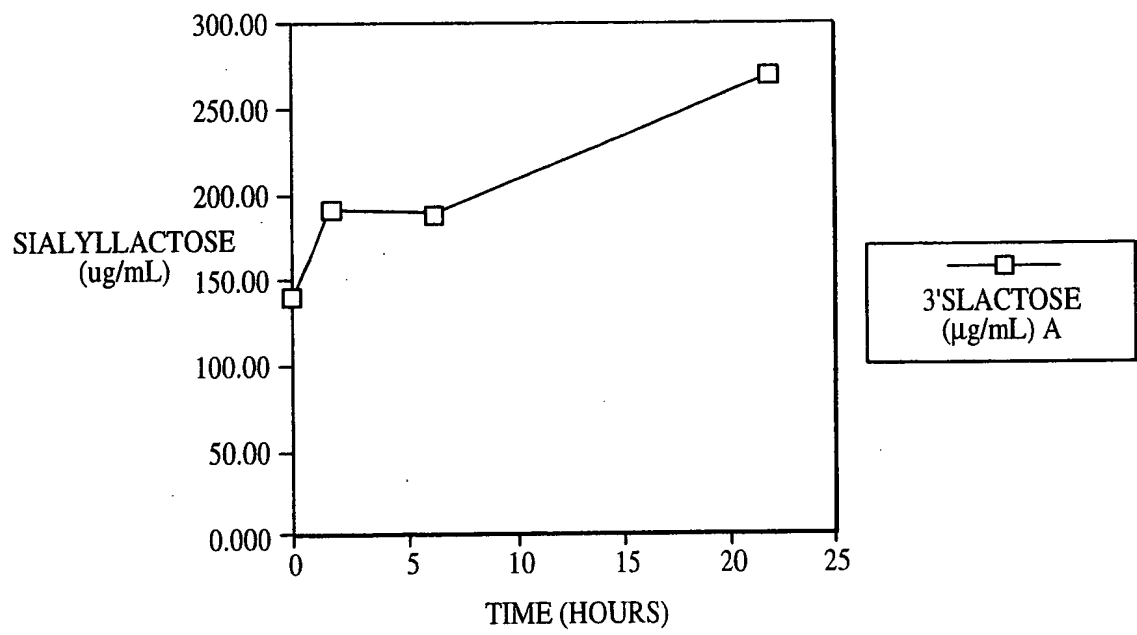


FIG.7B

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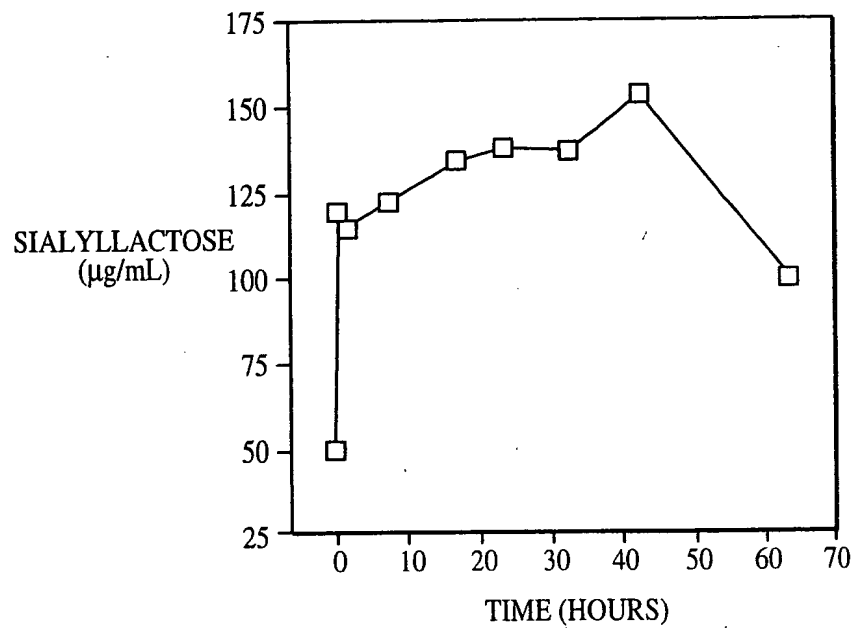


FIG.8

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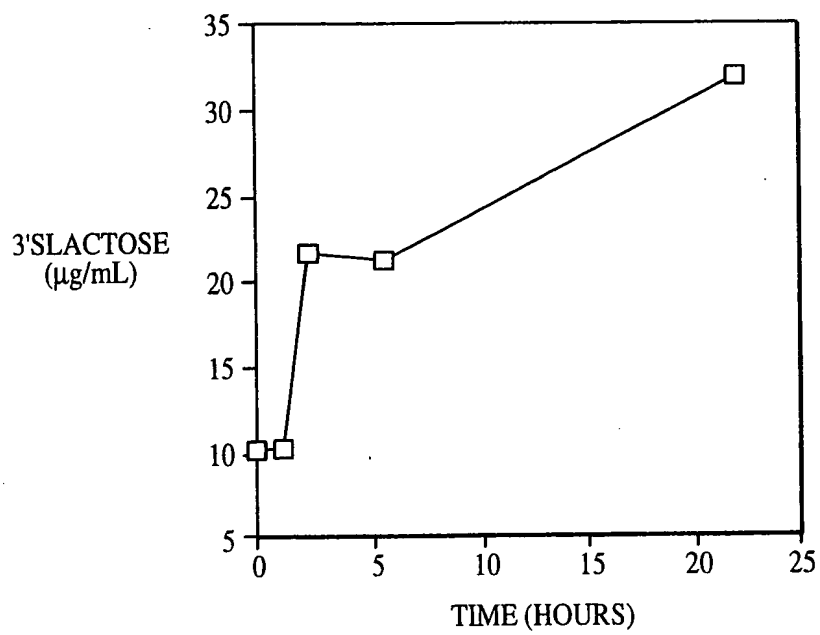


FIG.9